

30° 36' 45" NL  
87° 38' 42" WL

EXHIBIT 1

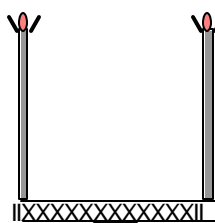
OVERALL HEIGHT

583.1 M AGL; 623.9 M AMSL

RQ<sub>L</sub>

WFGX CH. 50

574.9 M AGL; 615.7 M AMSL; 582.8 HAAT



GROUND ELEVATION = 40.8 M AMSL / AVERAGE TERRAIN = 33.0 M

## VERTICAL PLAN ANTENNA SKETCH

WFGX, FT. WALTON BEACH, FLORIDA  
CH. 50, 1000 kW ERP (DA-MAX); 582.8 m HAAT  
DIELECTRIC MODEL TFU-29ETT/VP-R 4C170

OCTOBER, 2009

**CARL T. JONES**  
CORPORATION

NOTE: NOT DRAWN TO SCALE

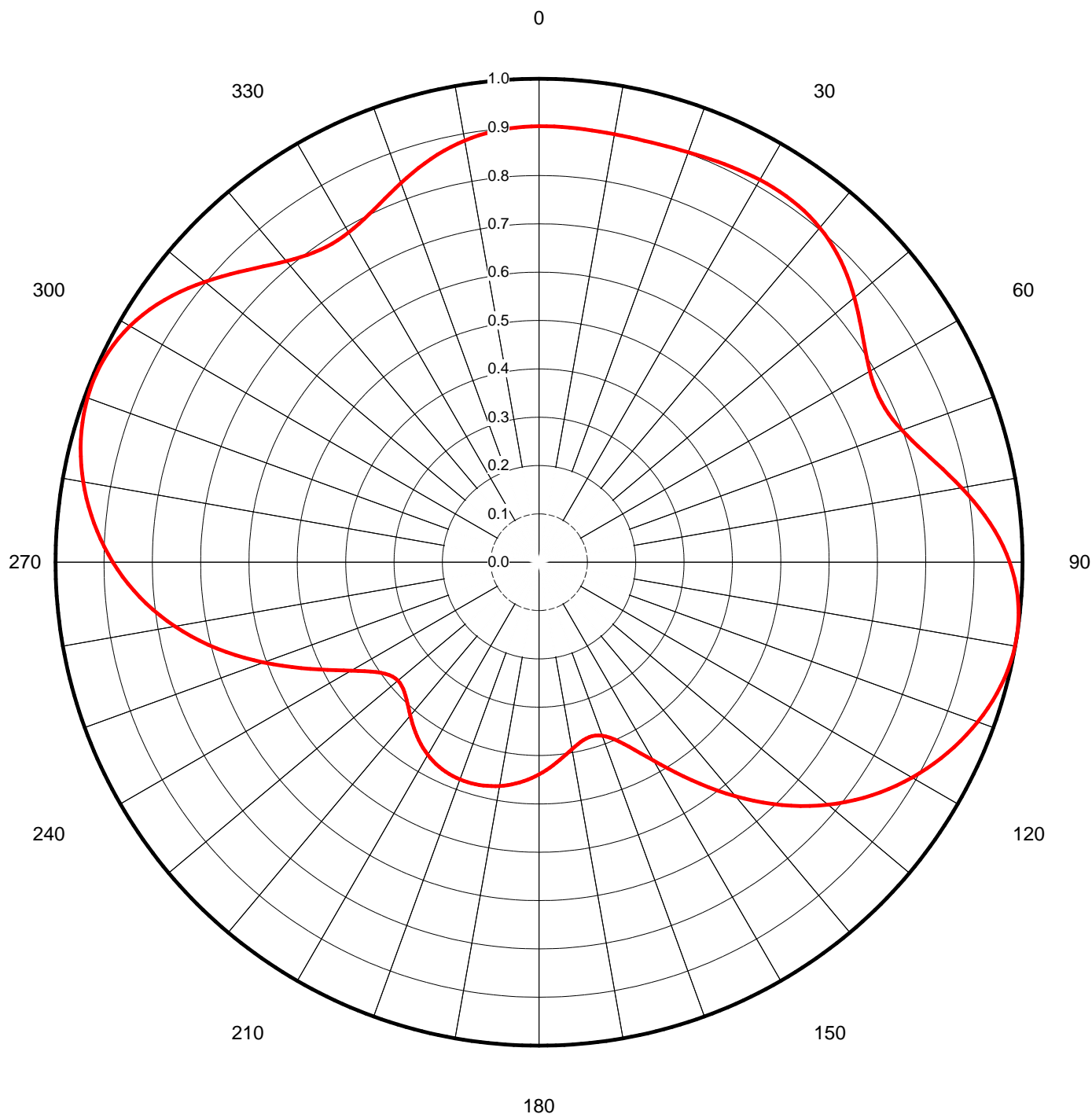


Proposal Number	<b>C-03291</b>	Revision:	<b>1</b>
Date	<b>6-Feb-09</b>	<b>Exhibit 2</b>	
Call Letters	<b>WFGX</b>	Channel	<b>50</b>
Location	<b>Fort Walton Beach, FL</b>		
Customer	<b>Sinclair</b>		
Antenna Type	<b>TFU-29ETT/VP-R 4C170</b>		

## AZIMUTH PATTERN

Gain **1.70** **( 2.30 dB)**  
Calculated / Measured **Calculated**

Frequency **689.00 MHz**  
Drawing # **TFU-4C170HP-6890**





Proposal Number **C-03291** Revision: **1**  
Date **6-Feb-09**  
Call Letters **WFGX** Channel **50**  
Location **Fort Walton Beach, FL**  
Customer **Sinclair**  
Antenna Type **TFU-29ETT/VP-R 4C170**

Exhibit 3

## TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #: **TFU-4C170HP-6890**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.902	45	0.882	90	0.974	135	0.710	180	0.439	225	0.391	270	0.882	315	0.854
1	0.902	46	0.877	91	0.979	136	0.695	181	0.443	226	0.387	271	0.891	316	0.845
2	0.902	47	0.871	92	0.984	137	0.680	182	0.447	227	0.384	272	0.900	317	0.836
3	0.902	48	0.865	93	0.989	138	0.664	183	0.451	228	0.382	273	0.908	318	0.828
4	0.901	49	0.858	94	0.992	139	0.648	184	0.454	229	0.381	274	0.916	319	0.820
5	0.901	50	0.851	95	0.995	140	0.632	185	0.457	230	0.381	275	0.924	320	0.813
6	0.900	51	0.844	96	0.997	141	0.616	186	0.460	231	0.382	276	0.931	321	0.807
7	0.900	52	0.838	97	0.999	142	0.599	187	0.463	232	0.384	277	0.938	322	0.801
8	0.899	53	0.831	98	1.000	143	0.583	188	0.466	233	0.388	278	0.945	323	0.796
9	0.899	54	0.824	99	1.000	144	0.567	189	0.468	234	0.393	279	0.951	324	0.792
10	0.899	55	0.817	100	1.000	145	0.550	190	0.470	235	0.399	280	0.957	325	0.789
11	0.899	56	0.811	101	0.999	146	0.534	191	0.472	236	0.406	281	0.963	326	0.787
12	0.898	57	0.805	102	0.997	147	0.519	192	0.473	237	0.415	282	0.968	327	0.786
13	0.898	58	0.799	103	0.995	148	0.503	193	0.475	238	0.425	283	0.973	328	0.785
14	0.899	59	0.794	104	0.992	149	0.488	194	0.476	239	0.436	284	0.977	329	0.786
15	0.899	60	0.790	105	0.989	150	0.474	195	0.477	240	0.449	285	0.981	330	0.788
16	0.899	61	0.787	106	0.985	151	0.460	196	0.478	241	0.462	286	0.985	331	0.790
17	0.900	62	0.784	107	0.981	152	0.448	197	0.478	242	0.476	287	0.988	332	0.793
18	0.901	63	0.782	108	0.976	153	0.436	198	0.478	243	0.491	288	0.990	333	0.797
19	0.901	64	0.782	109	0.971	154	0.425	199	0.478	244	0.506	289	0.992	334	0.801
20	0.902	65	0.782	110	0.966	155	0.415	200	0.478	245	0.522	290	0.994	335	0.806
21	0.903	66	0.783	111	0.960	156	0.406	201	0.478	246	0.538	291	0.995	336	0.811
22	0.905	67	0.786	112	0.954	157	0.398	202	0.477	247	0.555	292	0.995	337	0.817
23	0.906	68	0.789	113	0.947	158	0.391	203	0.476	248	0.572	293	0.995	338	0.823
24	0.907	69	0.793	114	0.940	159	0.386	204	0.474	249	0.589	294	0.994	339	0.829
25	0.908	70	0.799	115	0.933	160	0.382	205	0.473	250	0.606	295	0.993	340	0.835
26	0.909	71	0.805	116	0.925	161	0.379	206	0.471	251	0.623	296	0.991	341	0.841
27	0.911	72	0.812	117	0.917	162	0.377	207	0.469	252	0.640	297	0.989	342	0.847
28	0.912	73	0.820	118	0.909	163	0.376	208	0.466	253	0.657	298	0.985	343	0.853
29	0.913	74	0.828	119	0.900	164	0.376	209	0.463	254	0.673	299	0.982	344	0.858
30	0.913	75	0.837	120	0.891	165	0.377	210	0.460	255	0.689	300	0.977	345	0.864
31	0.914	76	0.847	121	0.882	166	0.379	211	0.457	256	0.705	301	0.972	346	0.869
32	0.914	77	0.857	122	0.872	167	0.382	212	0.453	257	0.721	302	0.966	347	0.873
33	0.914	78	0.867	123	0.862	168	0.385	213	0.449	258	0.736	303	0.960	348	0.878
34	0.914	79	0.877	124	0.851	169	0.389	214	0.444	259	0.751	304	0.953	349	0.882
35	0.913	80	0.887	125	0.840	170	0.393	215	0.440	260	0.765	305	0.946	350	0.886
36	0.912	81	0.898	126	0.829	171	0.397	216	0.435	261	0.778	306	0.938	351	0.889
37	0.910	82	0.908	127	0.818	172	0.402	217	0.430	262	0.792	307	0.929	352	0.892
38	0.908	83	0.917	128	0.806	173	0.406	218	0.425	263	0.805	308	0.921	353	0.894
39	0.906	84	0.927	129	0.793	174	0.411	219	0.420	264	0.817	309	0.912	354	0.896
40	0.903	85	0.936	130	0.780	175	0.416	220	0.414	265	0.829	310	0.902	355	0.898
41	0.900	86	0.945	131	0.767	176	0.421	221	0.409	266	0.840	311	0.893	356	0.899
42	0.896	87	0.953	132	0.754	177	0.426	222	0.404	267	0.851	312	0.883	357	0.900
43	0.892	88	0.960	133	0.740	178	0.430	223	0.399	268	0.862	313	0.873	358	0.901
44	0.887	89	0.967	134	0.725	179	0.435	224	0.395	269	0.872	314	0.864	359	0.902

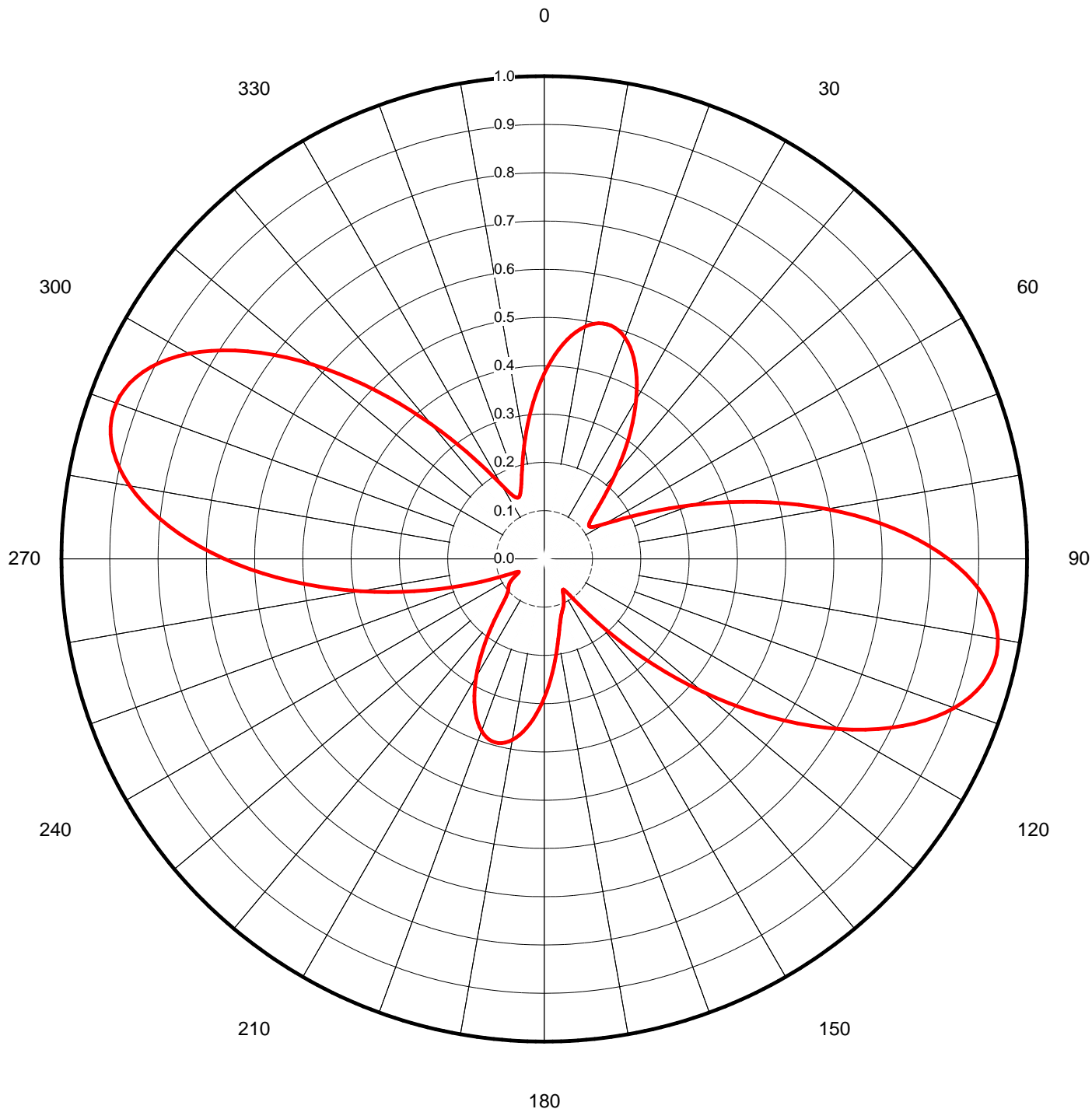
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Proposal Number	<b>C-03291</b>	Revision:	<b>1</b>
Date	<b>6-Feb-09</b>	<b>Exhibit 4</b>	
Call Letters	<b>WFGX</b>	Channel	<b>50</b>
Location	<b>Fort Walton Beach, FL</b>		
Customer	<b>Sinclair</b>		
Antenna Type	<b>TFU-29ETT/VP-R 4C170</b>		

## AZIMUTH PATTERN/VERTICAL POLARIZATION

Gain	<b>3.80</b>	<b>( 5.80 dB)</b>
Calculated / Measured	<b>Calculated</b>	

Frequency	<b>689.00 MHz</b>
Drawing #	<b>TFU-4C380VP-6890</b>

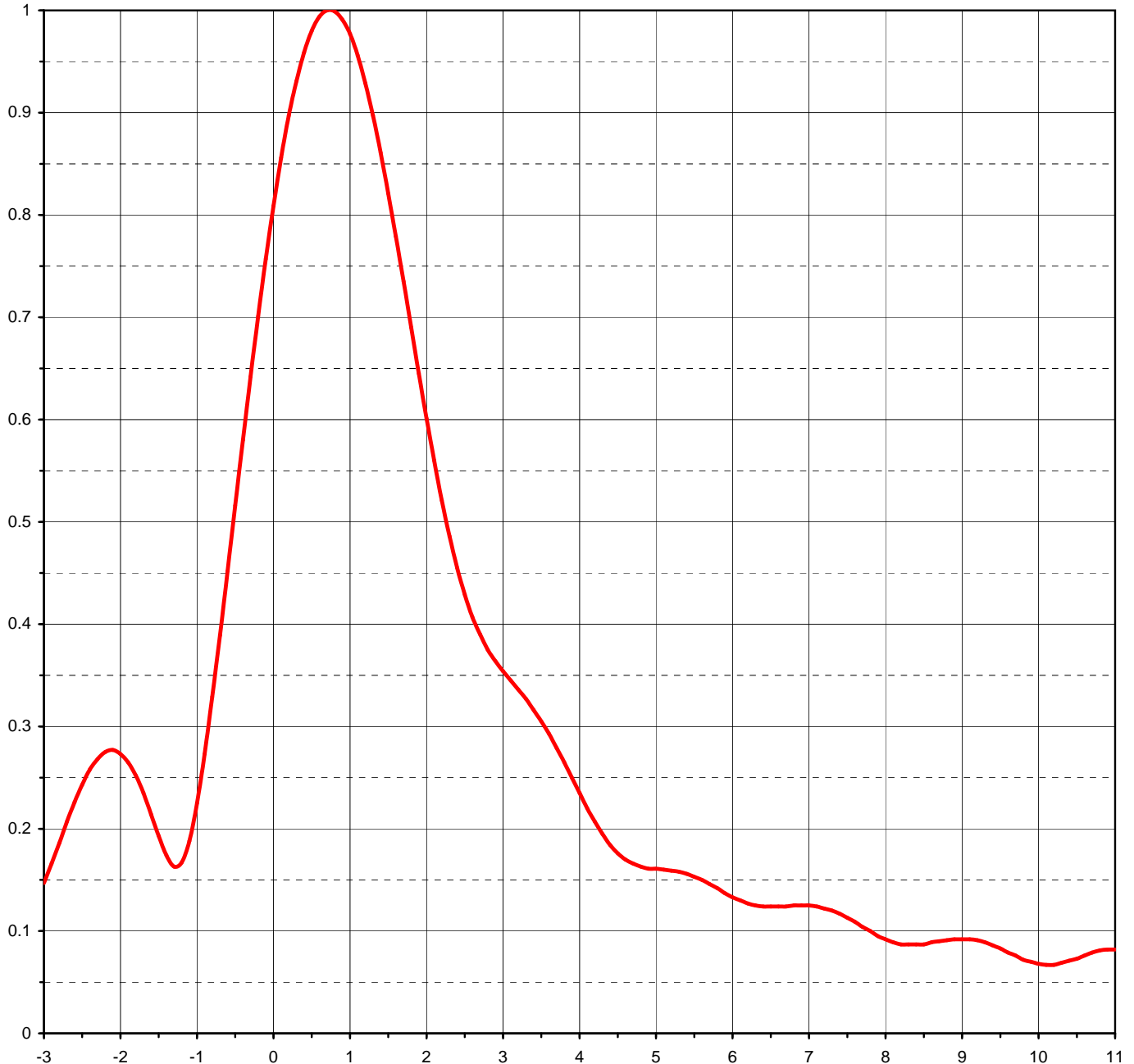




Proposal Number	<b>C-03291</b>	Revision:	<b>1</b>
Date	<b>6-Feb-09</b>	<b>Exhibit 5</b>	
Call Letters	<b>WFGX</b>	Channel	<b>50</b>
Location	<b>Fort Walton Beach, FL</b>		
Customer	<b>Sinclair</b>		
Antenna Type	<b>TFU-29ETT/VP-R 4C170</b>		

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>25.00 ( 13.98 dB )</b>	Beam Tilt	<b>0.75 deg</b>
RMS Gain at Horizontal	<b>16.40 ( 12.15 dB )</b>	Frequency	<b>689.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>29E250075</b>



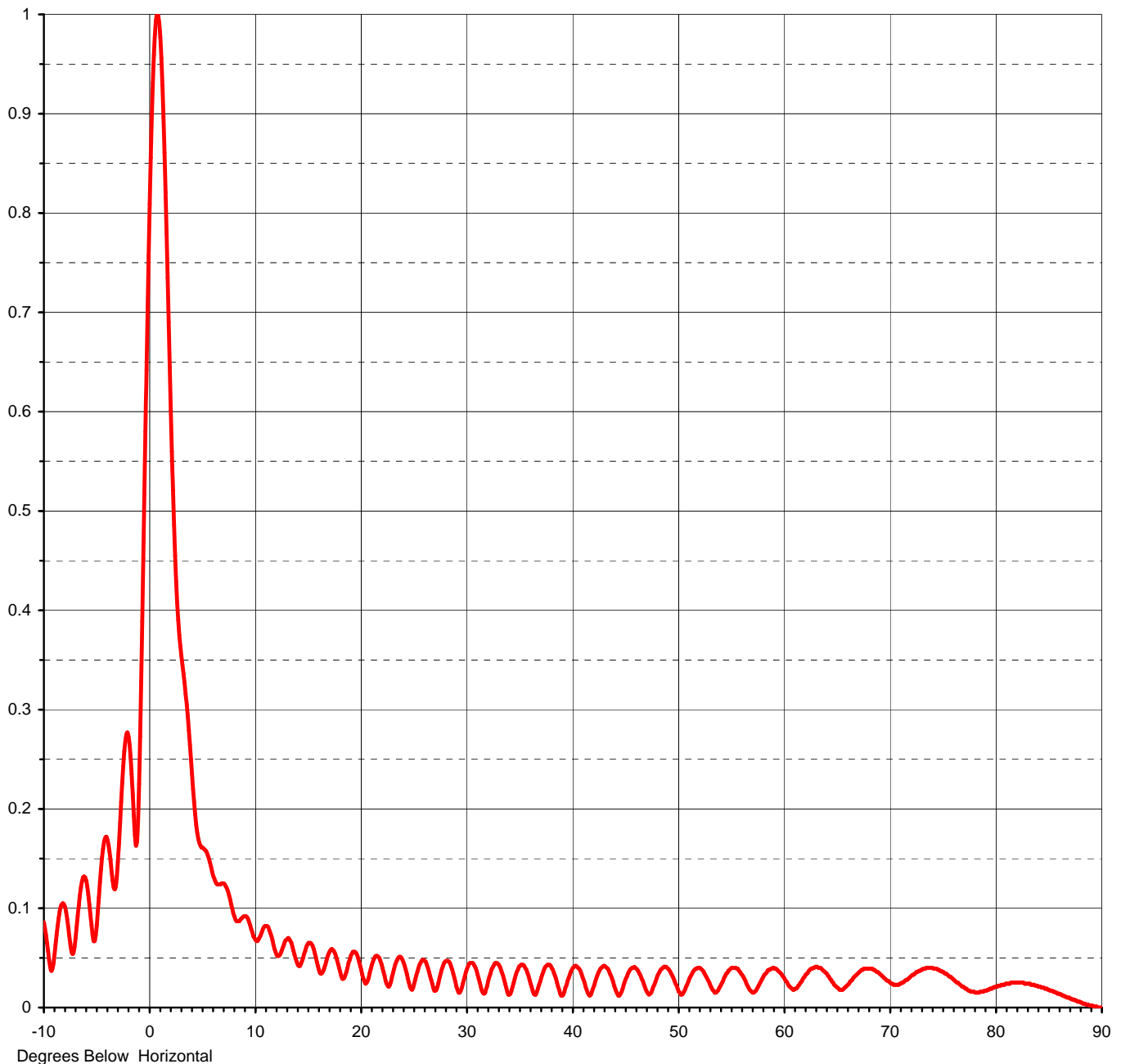
Degrees Below Horizontal



Proposal Number	<b>C-03291</b>	Revision:	<b>1</b>
Date	<b>6-Feb-09</b>	<b>Exhibit 6</b>	
Call Letters	<b>WFGX</b>	Channel	<b>50</b>
Location	<b>Fort Walton Beach, FL</b>		
Customer	<b>Sinclair</b>		
Antenna Type	<b>TFU-29ETT/VP-R 4C170</b>		

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>25.00 ( 13.98 dB )</b>	Beam Tilt	<b>0.75 deg</b>
RMS Gain at Horizontal	<b>16.40 ( 12.15 dB )</b>	Frequency	<b>689.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>29E250075-90</b>



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Proposal Number **C-03291** Revision: **1**  
Date **6-Feb-09** **Exhibit 7**  
Call Letters **WFGX** Channel **50**  
Location **Fort Walton Beach, FL**  
Customer **Sinclair**  
Antenna Type **TFU-29ETT/VP-R 4C170**

## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **29E250075-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.086	2.4	0.455	10.6	0.073	30.5	0.045	51.0	0.026	71.5	0.028
-9.5	0.048	2.6	0.407	10.8	0.079	31.0	0.037	51.5	0.037	72.0	0.032
-9.0	0.053	2.8	0.375	11.0	0.082	31.5	0.017	52.0	0.040	72.5	0.036
-8.5	0.097	3.0	0.354	11.5	0.075	32.0	0.022	52.5	0.035	73.0	0.038
-8.0	0.101	3.2	0.336	12.0	0.056	32.5	0.040	53.0	0.025	73.5	0.040
-7.5	0.064	3.4	0.316	12.5	0.055	33.0	0.044	53.5	0.015	74.0	0.040
-7.0	0.070	3.6	0.293	13.0	0.068	33.5	0.032	54.0	0.021	74.5	0.038
-6.5	0.121	3.8	0.265	13.5	0.065	34.0	0.013	54.5	0.032	75.0	0.036
-6.0	0.128	4.0	0.235	14.0	0.046	34.5	0.025	55.0	0.039	75.5	0.032
-5.5	0.083	4.2	0.207	14.5	0.047	35.0	0.041	55.5	0.040	76.0	0.028
-5.0	0.083	4.4	0.184	15.0	0.063	35.5	0.042	56.0	0.034	76.5	0.024
-4.5	0.151	4.6	0.170	15.5	0.062	36.0	0.028	56.5	0.024	77.0	0.020
-4.0	0.169	4.8	0.163	16.0	0.042	36.5	0.013	57.0	0.016	77.5	0.017
-3.5	0.128	5.0	0.161	16.5	0.037	37.0	0.026	57.5	0.019	78.0	0.015
-3.0	0.147	5.2	0.159	17.0	0.054	37.5	0.041	58.0	0.029	78.5	0.016
-2.8	0.186	5.4	0.156	17.5	0.057	38.0	0.042	58.5	0.037	79.0	0.017
-2.6	0.226	5.6	0.150	18.0	0.040	38.5	0.029	59.0	0.040	79.5	0.019
-2.4	0.258	5.8	0.142	18.5	0.030	39.0	0.012	59.5	0.037	80.0	0.021
-2.2	0.275	6.0	0.133	19.0	0.048	39.5	0.023	60.0	0.031	80.5	0.023
-2.0	0.273	6.2	0.127	19.5	0.056	40.0	0.038	60.5	0.022	81.0	0.024
-1.8	0.252	6.4	0.124	20.0	0.042	40.5	0.041	61.0	0.018	81.5	0.025
-1.6	0.214	6.6	0.124	20.5	0.024	41.0	0.031	61.5	0.023	82.0	0.025
-1.4	0.174	6.8	0.125	21.0	0.039	41.5	0.015	62.0	0.031	82.5	0.025
-1.2	0.167	7.0	0.125	21.5	0.052	42.0	0.019	62.5	0.038	83.0	0.024
-1.0	0.225	7.2	0.122	22.0	0.044	42.5	0.035	63.0	0.041	83.5	0.023
-0.8	0.329	7.4	0.117	22.5	0.024	43.0	0.042	63.5	0.040	84.0	0.021
-0.6	0.452	7.6	0.109	23.0	0.031	43.5	0.037	64.0	0.035	84.5	0.020
-0.4	0.580	7.8	0.100	23.5	0.048	44.0	0.022	64.5	0.026	85.0	0.018
-0.2	0.701	8.0	0.092	24.0	0.048	44.5	0.012	65.0	0.020	85.5	0.016
0.0	0.809	8.2	0.087	24.5	0.029	45.0	0.026	65.5	0.018	86.0	0.014
0.2	0.897	8.4	0.087	25.0	0.020	45.5	0.038	66.0	0.023	86.5	0.011
0.4	0.959	8.6	0.089	25.5	0.040	46.0	0.040	66.5	0.030	87.0	0.009
0.6	0.994	8.8	0.091	26.0	0.048	46.5	0.032	67.0	0.035	87.5	0.007
0.8	0.999	9.0	0.092	26.5	0.036	47.0	0.018	67.5	0.039	88.0	0.005
1.0	0.977	9.2	0.091	27.0	0.017	47.5	0.015	68.0	0.039	88.5	0.003
1.2	0.929	9.4	0.086	27.5	0.030	48.0	0.029	68.5	0.038	89.0	0.002
1.4	0.861	9.6	0.079	28.0	0.046	48.5	0.039	69.0	0.034	89.5	0.001
1.6	0.779	9.8	0.076	28.5	0.044	49.0	0.040	69.5	0.029	90.0	0.000
1.8	0.690	10.0	0.070	29.0	0.026	49.5	0.032	70.0	0.025		
2.0	0.601	10.2	0.067	29.5	0.017	50.0	0.019	70.5	0.023		
2.2	0.521	10.4	0.069	30.0	0.036	50.5	0.014	71.0	0.024		

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